Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF091422.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Sep 14 14:55:51 2022
Response Via : Initial Calibration

Calibration Files
5 =BF130232.D 10 =BF130233.D 20 =BF130234.D 40 =BF130235.D 50 =BF130236.D 60 =BF130237.D 80 =BF130238.D

		Compound	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------						
2)		1,4-Dioxane	0.575	0.535	0.561	0.529	0.509	0.517	0.481	0.530	6.00
3)		Pyridine	1.410	1.410	1.509	1.338	1.342	1.366	1.296	1.381	5.01
4)		n-Nitrosodimet...	0.746	0.742	0.800	0.758	0.742	0.757	0.714	0.751	3.46
5)	S	2-Fluorophenol	1.191	1.171	1.244	1.136	1.117	1.139	1.073	1.153	4.79
6)		Aniline	1.871	1.840	1.905	1.753	1.715	1.727	1.633	1.778	5.48
7)	S	Phenol-d6	1.528	1.478	1.540	1.422	1.397	1.407	1.326	1.443	5.33
8)		2-Chlorophenol	1.350	1.343	1.425	1.295	1.275	1.287	1.220	1.314	5.00
9)		Benzaldehyde	1.134	1.078	1.106	0.933	0.895	0.855	0.765	0.966	14.59
10)	C	Phenol	1.766	1.729	1.846	1.682	1.632	1.640	1.541	1.691	5.90
11)		bis(2-Chloroet...	1.302	1.266	1.319	1.206	1.169	1.169	1.106	1.220	6.44
12)		1,3-Dichlorobe...	1.532	1.464	1.544	1.414	1.408	1.419	1.336	1.445	5.09
13)	C	1,4-Dichlorobe...	1.572	1.489	1.578	1.445	1.432	1.443	1.358	1.474	5.37
14)		1,2-Dichlorobe...	1.494	1.404	1.485	1.362	1.317	1.315	1.261	1.377	6.45
15)		Benzyl Alcohol	1.091	1.103	1.266	1.174	1.144	1.148	1.081	1.144	5.58
16)		2,2'-oxybis(1-...	1.938	1.875	1.935	1.750	1.698	1.687	1.567	1.779	7.95
17)		2-Methylphenol	1.117	1.080	1.158	1.069	1.028	1.034	0.988	1.068	5.38
18)		Hexachloroethane	0.590	0.587	0.631	0.580	0.568	0.573	0.539	0.581	4.76
19)	P	n-Nitroso-di-n...	1.033	0.999	1.050	0.978	0.933	0.928	0.895	0.974	5.91
20)		3+4-Methylphenols	1.490	1.429	1.505	1.382	1.316	1.331	1.256	1.387	6.69
21)	I	Naphthalene-d8	----------	ISTD	----------						
22)		Acetophenone	0.505	0.491	0.511	0.487	0.471	0.488	0.470	0.489	3.20
23)	S	Nitrobenzene-d5	0.380	0.378	0.406	0.397	0.392	0.400	0.388	0.391	2.63
24)		Nitrobenzene	0.400	0.391	0.409	0.399	0.391	0.405	0.389	0.398	1.97
25)		Isophorone	0.620	0.628	0.650	0.633	0.621	0.643	0.622	0.631	1.85
26)	C	2-Nitrophenol	0.138	0.149	0.167	0.171	0.168	0.177	0.171	0.163	8.73
27)		2,4-Dimethylph...	0.238	0.250	0.258	0.253	0.250	0.258	0.249	0.251	2.73
28)		bis(2-Chloroet...	0.361	0.354	0.371	0.351	0.346	0.359	0.345	0.355	2.58
29)	C	2,4-Dichloroph...	0.262	0.266	0.281	0.279	0.273	0.287	0.277	0.275	3.09
30)		1,2,4-Trichlor...	0.294	0.293	0.306	0.296	0.294	0.303	0.295	0.297	1.72
31)		Naphthalene	1.068	1.037	1.068	1.022	0.996	1.025	0.997	1.030	2.88
32)		Benzoic acid		0.141	0.179	0.209	0.206	0.217	0.213	0.194	15.08
33)		4-Chloroaniline	0.388	0.389	0.410	0.393	0.383	0.402	0.378	0.392	2.75
34)	C	Hexachlorobuta...	0.184	0.189	0.194	0.189	0.188	0.196	0.190	0.190	2.07
35)		Caprolactam	0.069	0.075	0.081	0.082	0.080	0.085	0.080	0.079	6.79
36)	C	4-Chloro-3-met...	0.293	0.295	0.320	0.309	0.304	0.312	0.300	0.305	3.14
37)		2-Methylnaphth...	0.678	0.661	0.678	0.654	0.638	0.653	0.637	0.657	2.59
38)		1-Methylnaphth...	0.641	0.642	0.657	0.625	0.610	0.631	0.611	0.631	2.70

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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.544	0.526	0.553	0.531	0.539	0.564	0.564	0.546	2.73
41)	P	Hexachlorocycl...	0.225	0.255	0.290	0.304	0.313	0.331	0.328	0.292	13.40
42)	S	2,4,6-Tribromo...	0.170	0.182	0.188	0.195	0.193	0.208	0.205	0.192	6.77
43)	C	2,4,6-Trichlor...	0.353	0.358	0.393	0.386	0.387	0.399	0.391	0.381	4.77
44)		2,4,5-Trichlor...	0.385	0.381	0.412	0.409	0.422	0.434	0.435	0.411	5.22
45)	S	2-Fluorobiphenyl	1.385	1.366	1.428	1.346	1.355	1.386	1.349	1.373	2.11
46)		1,1'-Biphenyl	1.521	1.481	1.534	1.474	1.456	1.518	1.473	1.494	2.00
47)		2-Chloronaphth...	1.212	1.197	1.230	1.190	1.191	1.234	1.204	1.208	1.46
48)		2-Nitroaniline	0.353	0.371	0.415	0.417	0.416	0.429	0.419	0.403	7.14
49)		Acenaphthylene	1.854	1.791	1.871	1.784	1.782	1.838	1.761	1.812	2.32
50)		Dimethylphthalate	1.401	1.355	1.424	1.371	1.352	1.393	1.375	1.382	1.89
51)		2,6-Dinitrotol...	0.269	0.268	0.297	0.288	0.294	0.304	0.302	0.289	5.10
52)	C	Acenaphthene	1.184	1.160	1.204	1.175	1.179	1.234	1.196	1.190	2.01
53)		3-Nitroaniline	0.299	0.298	0.325	0.328	0.326	0.342	0.335	0.322	5.26
54)	P	2,4-Dinitrophenol		0.082	0.118	0.139	0.141	0.155	0.159	0.132	21.61
55)		Dibenzofuran	1.741	1.642	1.707	1.625	1.610	1.652	1.614	1.656	3.01
56)	P	4-Nitrophenol	0.190	0.211	0.252	0.250	0.241	0.251	0.248	0.234	10.37
57)		2,4-Dinitrotol...	0.319	0.333	0.383	0.383	0.380	0.396	0.392	0.369	8.25
58)		Fluorene	1.363	1.337	1.376	1.355	1.326	1.372	1.349	1.354	1.35
59)		2,3,4,6-Tetrac...	0.314	0.293	0.334	0.319	0.322	0.338	0.333	0.322	4.77
60)		Diethylphthalate	1.370	1.355	1.425	1.389	1.375	1.404	1.381	1.385	1.67
61)		4-Chlorophenyl...	0.605	0.573	0.599	0.589	0.581	0.609	0.603	0.594	2.28
62)		4-Nitroaniline	0.294	0.303	0.339	0.331	0.330	0.336	0.331	0.323	5.47
63)		Azobenzene	1.446	1.424	1.485	1.430	1.391	1.424	1.386	1.427	2.35
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.083	0.102	0.115	0.115	0.125	0.127	0.111	14.94
66)	c	n-Nitrosodiphe...	0.671	0.658	0.691	0.655	0.654	0.678	0.671	0.668	2.00
67)		4-Bromophenyl-...	0.212	0.210	0.224	0.216	0.224	0.230	0.229	0.221	3.68
68)		Hexachlorobenzene	0.243	0.239	0.257	0.245	0.247	0.259	0.259	0.250	3.27
69)		Atrazine	0.191	0.193	0.199	0.194	0.196	0.200	0.195	0.195	1.66
70)	C	Pentachlorophenol	0.102	0.117	0.134	0.141	0.145	0.150	0.151	0.134	13.83
71)		Phenanthrene	1.163	1.136	1.157	1.095	1.090	1.128	1.092	1.123	2.76
72)		Anthracene	1.094	1.085	1.122	1.070	1.068	1.093	1.053	1.084	2.06
73)		Carbazole	1.010	0.972	1.017	0.970	0.956	0.962	0.958	0.978	2.59
74)		Di-n-butylphth...	1.117	1.155	1.256	1.192	1.178	1.185	1.172	1.179	3.58
75)	C	Fluoranthene	1.116	1.098	1.162	1.086	1.046	1.051	1.036	1.085	4.13
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.629	0.570	0.593	0.615	0.560	0.601	0.496	0.581	7.61
78)		Pyrene	1.607	1.588	1.755	1.755	1.848	1.927	1.766	1.750	6.92
79)	S	Terphenyl-d14	1.101	1.089	1.200	1.214	1.287	1.328	1.232	1.207	7.30
80)		Butylbenzylpht...	0.523	0.568	0.692	0.671	0.685	0.716	0.682	0.648	11.20
81)		Benzo(a)anthra...	1.292	1.270	1.374	1.309	1.338	1.394	1.336	1.330	3.31
82)		3,3'-Dichlorob...	0.319	0.336	0.386	0.367	0.371	0.394	0.362	0.362	7.31
83)		Chrysene	1.237	1.229	1.321	1.234	1.249	1.321	1.252	1.263	3.18
84)		Bis(2-ethylhex...	0.583	0.632	0.799	0.757	0.777	0.827	0.822	0.742	12.95
85)	c	Di-n-octyl pht...		0.801	1.049	1.119	1.188	1.342	1.315	1.136	17.49

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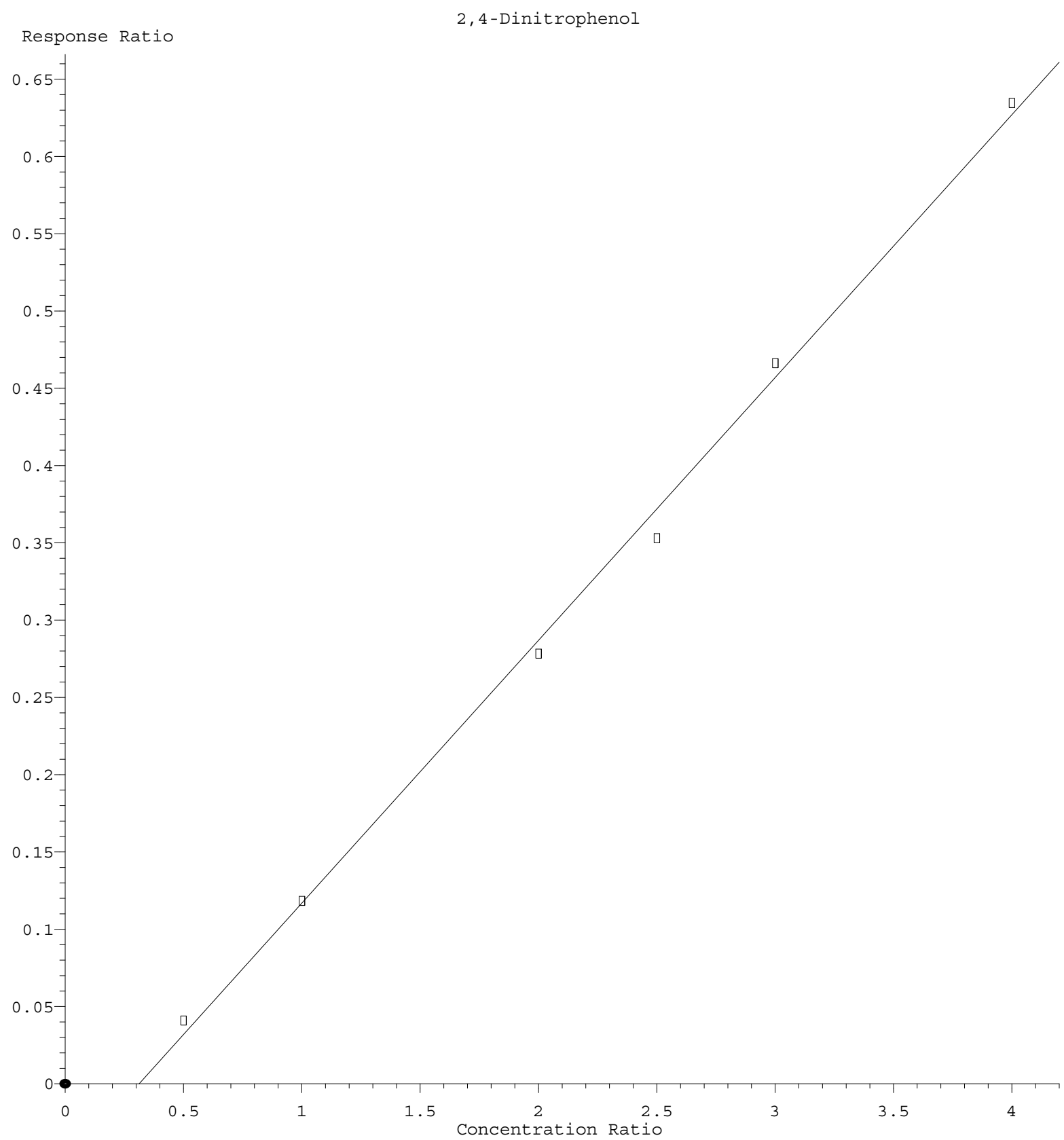
86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.098	1.179	1.322	1.474	1.578	1.680	1.598	1.418	15.72
88)		Benzo(b)fluora...	1.287	1.291	1.357	1.301	1.286	1.295	1.321	1.305	1.97
89)		Benzo(k)fluora...	1.286	1.265	1.375	1.273	1.234	1.315	1.241	1.284	3.77
90)	C	Benzo(a)pyrene	0.979	0.947	1.043	1.043	1.047	1.106	1.074	1.034	5.23
91)		Dibenzo(a,h)an...	0.896	0.968	1.085	1.200	1.293	1.377	1.326	1.163	15.94
92)		Benzo(g,h,i)pe...	0.914	0.976	1.084	1.214	1.313	1.379	1.323	1.172	15.58

(#) = Out of Range



Response = 1.700e-001 * Amt - 5.317e-002
Coef of Det (r^2) = 0.997269 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF091422.M
Calibration Table Last Updated: Wed Sep 14 14:55:51 2022